AMERICAN UNIVERSITY OF BEIRUT OBSERVATORY

MONTHLY BULLETIN

METEOROLOGICAL SECTION

FRANS BRUIN: DIRECTOR

GIORGIO CONTINO, ASSOCIATE DIRECTOR

HALIM HOURANI, OBSERVER

BEIRUT, LEBANON

Latitude: 33° 54' 22" N.

Longitude: $2^h\ 21^m\ 52^s.7$ E.

February 1959

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FEBRUARY 1959

METEOROLOGICAL REGISTER

Date	Barometer reduced to O°C Sea level and 45° Latitude 700 mm. +...				Thermometer Degrees Centigrade					
	8:30	14:30	20·30	Mean	Max.	Min.	8:30	14:30	20.30	Mean
1	62.3	63.8	67.0	64.4	13.1	8.9	9.2	12.5	12.0	11.2
2	71.4	71.0	71.1	71.2	14.8	9.5	12.0	14.2	11.5	12.6
3	70.7	69.2	68.7	69.5	15.1	10.3	11.5	14.5	11.6	12.5
4	66.8	64.4	63.9	65.0	16.8	10.5	12.6	16.0	12.0	13.5
5	64.0	64.8	66.6	65.1	13.0	6.1	11.0	10.0	8.8	9.9
6	65.9	63.2	62.8	64.0	12.4	8.5	8.9	11.4	9.5	9.9
7	60.8	59.3	61.1	60.4	14.9	9.5	10.1	14.3	12.1	12.2
8	65.1	65.4	67.3	65.9	12.5	7.5	11.5	11.9	9.5	11.0
9	69.6	69.8	70.6	70.0	12.6	7.9	9.7	12.1	10.3	10.7
10	70.6	68.0	67.2	68.6	13.7	10.2	10.3	13.2	11.0	11.5
11	64.3	61.9	60.8	62.3	16.0	10.9	12.2	15.3	12.5	13.3
12	60.9	61.0	61.5	61.1	15.3	9.2	12.5	14.5	11.9	13.0
13	61.7	61.2	61.8	61.6	13.5	9.4	10.2	11.7	10 9	10.9
14	62.5	62.1	62.4	62.3	11.0	5.9	9.9	9.0	7.0	8.6
15	62.4	62.5	63.5	62.8	8.2	4.8	6.0	7.5	6.2	6.6
16	64.1	64.2	65.2	64.5	12.9	7.4	7.2	12.4	9.0	9.5
17	66.1	65.6	65.9	65.9	15.0	8.8	11.0	14.6	10.0	11.9
18	65.0	63.1	61.3	63.1	14.3	10 5	11.4	12.7	11.5	11.9
19	59.8	59.8	61.5	60.3	12.8	6.6	10.5	10.7	10.0	10.4
20	62.4	62.9	64.7	63.3	12.5	8.0	9.4	11.0	9.5	10.0
21	64.8	65.8	67.4	66.0	13.2	8.5	10.1	12.7	9.4	10.7
22	66.8	64.4	63.9	65.0	16.1	12.0	12.1	15.0	12.9	13.3
23	60.1	57.0	55.7	57.6	16.8	7.7	14.0	15.3	12.0	13.8
24	64.3	55.1	58.2	59.2	12 8	1.7	9.5	7.5	3.2	6.7
25	61.3	61.8	62.2	61.8	10.8	6.7	7.3	10.2	7.0	8.2
26	63.1	62.1	63.1	62.8	12.9	4.7	10·1	11.2	6.9	9.4
27	62.3	62.2	65.0	63.2	10.2	6.6	6.5	9.5	9.0	8.3
28	67.2	65.8	63.8	65.6	13.6	8.1	9.3	12.5	9.5	10.4
29										
30										
31										
	64.51	63.48	64.08	64.02	13.46	8.08	10.21	12.26	9.88	10.78

Barometer, range for month 771.4mm. — 755.1 mm.
„ 71-yr. average for month 761.982mm.
Thermometer, range for month 16.8°C — 1.7°C
„ 82-yr. average for month 14.0°C
Rain total for month 113.19 mm.
„ 82-yr average for month 157.7 mm.
„ Total, Sept. 1st. to end of month 536.89 mm.
„ 82-yr average. Sept. 1st. to end of month 724.34 mm.

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Date	Pressure of Water Vapor Millibars				Relative Humidity per cent.				sun.	Wind per day	Rain
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean	Hrs.	Kms.	m.m.
1	10.3	9.5	9.4	9.7	86	64	66	72	1.4	240	39.03
2	8.9	9.3	9.0	9.1	63	57	65	62	8.2	167	
3	8.0	9.5	9.0	8.8	58	57	63	59	9.5	103	
4	9.3	11.9	11.1	10.8	64	64	79	69	9.8	105	
5	8.1	5.8	4.3	6.1	61	48	38	49	8.6	555	3.95
6	4.6	5.0	6.7	5.4	41	36	57	45	9.2	172	
7	6.1	7.3	7.6	7.0	50	46	54	50	8.0	282	
8	6.2	5.9	5.4	5.8	48	43	46	46	7.5	360	
9	5.7	6.5	6.9	6.4	48	48	56	51	10.2	201	
10	7.0	7.2	7.6	7.3	57	48	58	54	10.1	187	
11	7.0	9.4	7.6	8.0	50	54	53	52	1.9	6	
12	6.3	8.6	7.4	7.4	43	53	54	50	9.3	106	
13	10.3	7.3	6.0	7.9	81	54	48	61	2.7	278	1.55
14	6.4	7.4	6.9	6.9	53	65	69	62	0.5	476	1.56
15	7.4	7.3	7.6	7.4	79	71	82	77	1.4	132	4.46
16	7.3	7.9	7.5	7.6	71	54	66	64	5.2	43	0.32
17	6.7	7.5	10.7	8.3	52	47	87	62	8.6	148	1.11
18	10.4	10.9	11.2	10.8	75	75	82	77	4.3	182	3.66
19	8.0	6.2	4 9	6.4	63	50	41	51	2.3	478	2.63
20	8.2	6.1	6.3	6.9	68	48	53	56	5.6	333	0.62
21	5.5	6.9	6.2	6.2	45	48	53	49	10.3	148	
22	8.1	9.9	9.2	9.1	58	58	62	59	7.4	266	
23	9.1	10.8	13.1	11.0	57	62	94	71	2.4	473	9.50
24	8.0	7.5	7.2	7.6	68	71	93	77	0.2	673	19.90
25	6.4	6.2	5.9	6.2	63	50	58	57	5.6	404	17.20
26	7.0	8.3	7.9	7.7	57	61	79	66	5.1	212	3.70
27	6.8	5.8	4.1	5.6	71	48	36	52	1.3	235	4.00
28	5.7	7.0	6.2	6.3	48	50	52	50	9.9	187	
29											
30											
31											
	7.46	7.82	7.60	7.63	59.9	54.6	62.3	58.9	5.95	255.43	4.04

Height of Barometer above sea level : 33.7 meters.
Height of Thermometers above ground :
Dry and wet 1.25 m. ; Max. 1.30 m. ; Min. 1.50 m.
Hygrometric data from readings of wet and dry bulb thermometers exposed in a Stevenson screen, reduced according to M.O. 265.
Rim of Rain Gauge : above ground 0.66 m. ; above sea level 30.31 m.
Rainfall is read at 20:30 for the preceding 24 hours.
71 year averages are for period, 1875-1945

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METEOROLOGICAL REGISTER

Date	Clouds clear—0 Overcast—10				beaufort, scale Direction and force of wind			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	10ni	10st-ni	10st-ni	10.0	2sw	2w	2nw	slight	
2	6cu	2cu-st	1ci	3.0	2e	2nw	2e	light	
3	0	6cu-st	3cu	3.0	1e	1n	1e	,,	
4	0	1cu	8ni	3.0	1se	2sw	2w	,,	
5	5cu	2cu	0	2.3	5ne	6ne	5ne	sligh	
6	0	10ci	0	3.3	3ne	2ne	1s	light	
7	10ci-cu	1ci-cu	0	3.7	2e	2ne	4ne	slight	
8	1ci	4cu	4st	3.0	3ne	2ne	1ne	,,	
9	1cu	0	0	0.3	2e	2n	1e	light	
10	0	0	0	0.0	2e	3ne	1e	,,	
11	9cu-ci	10st	0	6.3	1e	1ne	0	light	
12	1cu-ci	3cu	7cu	3.7	2e	2nw	1se	,,	
13	10st	10st	6st-cu	8.7	2ne	5ne	4ne	slight	
14	10cu-st	10st-ni	10st-ni	10.0	4ne	3n	3e	,,	
15	10st-ni	8st	9st	9.0	2e	1s	1s	light	
16	9cu-st	10cu-ni	3cu	7.3	2s	2ne	1s	light	
17	3cu	4cu-st	9st-ni	5.3	2e	3sw	1s	,,	
18	8cu-ci	10cu-st	7cu-ni	8.3	3s	3s	3sw	,,	
19	10st	10cu-st	7cu-st	9.0	4n	4n	4ne	slight	
20	9cu-st	10cu-st	7cu	8.7	4ne	3ne	1e	light	
21	2cu	0	0	0.7	2ne	1nw	1se	light	
22	0	2ci-cu	0	0·7	2sw	4sw	3sw	,,	
23	10st	10st-ni	10st-ni	10.0	4sw	5sw	5sw	slight	
24	10st-ni	10st-ni	10st-ni	10.0	4w	6nw	5sw	Moderate	W.Hail.P.m
25	10cu-ni	5cu-st	2cu	5.7	5nw	2w	2se	slight	
26	7cu	10cu-st	2st	6.3	3nw	3e	2se	light	
27	10st-ci	10st	0	6.7	2s	1s	4ne	,,	
28	1cu	4cu	8st	4.3	2e	1s	1se	,,	
29									
30									
31									
	mean			5.44					

Abbreviations : G = gale; H = haze; M = mist ; T = thunderstorm ; D = dew
W = strong wind; Tr = trace of rain

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm	Totals
8:30	1	7	10	1	3	3	1	2	0	28
14:30	4	9	1	0	4	4	2	4	0	28
20:30	0	6	6	5	4	4	1	1	1	28
Total	5	22	17	6	11	11	4	7	1	84

Number of days with rain 15, fog 0, thunderstorms 0, gale. 0
71 yr. av. number of days with rain during month 13.9
Time of reading minus 2 hours equals G.C.T